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N-TRUCK ~~MEETING~~ MEETING MINUTES  
MARCH 16, 1994  
TELEFLEX - TROY

ATTENDEES: JOE BUCCELLATO  
MATT ~~WATERS~~

WAYNE BATES  
KEVIN MCMAHON  
MIKE REASONER

KLAI'S

A. GROMMETS

1. PER DIRECTION FROM JOE BUCCELLATO, TELEFLEX IS NOT TO PURSUE DUAL DUROMETER GROMMET DESIGNS. DIRECTION IS SINGLE DUROMETER GROMMET WITH TOYOTA'S STYLE METAL PLATE W/RUBBER INSERT & FASTENERS ATTACHED. FASTENERS TO BE TORQUED TO APPROX. 35 FT. LBS. PLATE TO HAVE A ROLL OVER FLANGE TO PREVENT OVER COMPRESSION OF GROMMET. GROMMET TO HAVE CABLE EXTENSIONS MOLDED IN WITH THE ABILITY TO FLEX APPROX 45°. MIKE REASONER TO PROVIDE HOLE SIZES & TOLERANCING.

B. TERMINALS

1. MIKE REASONER TO MAKE RECOMMENDATIONS TO CHRYSLER ON TYPE OF TERMINAL TO USE. DECISION TO BE BASED ON COST AND INSTALL EFFORTS. INITIAL DIRECTION WILL BE AN ISOLATED FLIP FLOP TERMINAL. (R. Van ZJ Design)

C. FUNCTION OF ~~BUTT~~ *ADJ*

1. NEED TO REMOVE LASH IN CABLE - DEPENDENT ON ROUTING. PUSH IN TO ADJ. SYSTEM TO MIN. LASH.

2. ADJUSTOR HAS 22 MLS OF ADJUSTMENT

a. ZJ ONLY USES 3 TO 4 MLS ON ONE SIDE OF ADJ.

3. MIKE R. TO CALCULATE CABLE LENGTHS SO CRIMP ON ROD STAYS INSIDE WIPER CAP DURING TRAVEL.

4. CONDUIT LENGTH

a. TRANS END

- NEED TO LENGTHEN CONDUIT FROM 142 TO 145 MM. DISTANCE FROM LAND OF S.I.F. TO CENTER OF BALL STUD. LENGTH IS TO MOVE CABLE AWAY FROM EXHAUST PIPE. *147.58 mm*

b. COLUMN END

- LENGTHEN CONDUIT FROM S.I.F. TO CENTER SNAP ON BALL TO 86.5 MM (MIKE R. TO CHANGE PRINTS).  
- MINIMUM PUSH IN FOR ADJUST WILL BE 7 MM (MIN.) MIKE R. TO PRESENT INSERTION EFFORTS. *18 mm (142)*

5. GAUGE PLATE

a. SNAP-IN GAUGE PLATE DESIGN TO BE COMPLETED BY MIKE REASONER.

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**N-TRUCK MEETING MINUTES  
MARCH 16, 1994 (CONT.)**

**6. HEAT SLEEVE**

- a. TEMP DATA WAS SUPPLIED TO CHRYSLER.
- b. MIKE R. TO SUPPLY ACTUAL SAMPLES OF CABLES FROM HEAT TESTS TO CHRYSLER WITH TEMP DATA AND A'S ON SLEEVES.

**7. ISOLATORS**

- a. COST & TEST DATA TO BE SUPPLIED TO CHRYSLER.

JOE BUCCELLATO SPECIFIED THAT A DESIGN MUST BE COMPLETE BY 3/31/94.

JOE BUCCELLATO ASKED IF IT IS POSSIBLE TO HAVE A ORIENTATIONAL CENTER ADJUST FOR SERVICE?

NEXT MEETING 3/4/94 - 2:00 P.M. - TELEFLEX

4 may use an orientational thumb / note SIS & in  
lock in. Mike needs to work with a  
as buildable. / note SIS & in

\* Check into a rotational side of snap  
(Both ends, SIS & are rotational) / note SIS & in

& Some other things are developing

(\*) Mike - to develop hand work part of rotation